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AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions of claims in the application.

1. (Currently Amended) A reagent, comprising: for amplifying the amyloid fibrosis of

amyloid β-protein, which comprises a peptide consisting of 14 to 23 residues of amyloid β-

peptide [hereinaster, abbreviated as AB (14-23)] or a peptide derived from the peptide by

substituting all positively charged side-chain amino acids thereof with Lys and simultaneously

substituting all negatively charged side-chain amino acids thereof with Glu

a peptide represented by the following general formula [1]:

R-Lys-Gln-Lys-Leu-Leu-X-Y-Leu-Glu-Glu-R' [1] (SEQ ID NO. 1)

wherein R represents a hydrogen atom or an amino-protecting group,

wherein X-Y represents Leu-Leu, Leu-Phe or Phe-Leu, and

wherein R' represents OH or NH<sub>2</sub>.

2. (Currently Amended) The reagent according to claim 1, wherein the peptide derived

from AB (14-23) by substituting all positively charged side chain amino acids thereof with Lys

and simultaneously substituting all negatively charged side chain amino acids thereof with Glu is

further subjected to substitution of one or more hydrophobic residues in the peptide chain by

other hydrophobic amino acid residues

wherein said peptide is

R-Lys-Gln-Lys-Leu-Leu-Leu-Leu-Glu-Glu-R' (SEQ ID NO. 2),

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wherein R represents a hydrogen atom or an amino-protecting group and R' represents

OH or  $NH_2$ .

3. (Currently Amended) The reagent according to claim 1, wherein the peptide derived

from AB (14-23) by substituting all positively charged side chain amino acids thereof with Lys

and simultaneously substituting all negatively charged side chain amino acids thereof with Glu is

further subjected to substitution of all hydrophobic residues in the peptide chain with Leu or to

substitution of all hydrophobic residues in the peptide chain, except for Phe at the position 3 or 4

from the N-terminal side of a hydrophobic site, with Leu, or to substitution of the position 3 from

the N terminal side of the hydrophobic site with Ala and all of the remaining hydrophobic

residues with Leu

wherein said peptide is

R-Lys-Gln-Lys-Leu-Leu-Phe-Leu-Glu-Glu-R (SEQ ID NO. 3)

wherein R represents a hydrogen atom or an amino-protecting group and R' represents

OH or NH<sub>2</sub>.

4. (Withdrawn/Currently Amended) A method of amplifying the amyloid fibrosis of

amyloid β-protein, which comprises using comprising the step(s) of:

using a reagent containing a peptide [Aβ (14-23)] consisting of 14 to 23 the 14<sup>th</sup> to 23rd

residues of amyloid β-peptide or a peptide derived from the peptide by substituting all positively

charged side chain amino acids thereof with Lys and simultaneously substituting all negatively

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charged side chain amino acids thereof with Glu a peptide represented by the following general formula [1]:

R-Lys-Gln-Lys-Leu-Leu-X-Y-Leu-Glu-Glu-R' [1] (SEQ ID NO. 1) wherein R represents a hydrogen atom or an amino-protecting group, wherein X-Y represents Leu-Leu, Leu-Phe or Phe-Leu, and wherein R' represents OH or NH2.

5. (Withdrawn/Currently Amended) The method according to claim 4, wherein the peptide derived from AB (14-23) by substituting all positively charged side chain amino acids thereof with Lys and simultaneously substituting all negatively charged side chain amino acids thereof with Glu is further subjected to substitution of one or more hydrophobic residues in the peptide chain with other hydrophobic amino acid residues

wherein said peptide is

R-Lys-Gln-Lys-Leu-Leu-Leu-Leu-Glu-Glu-R' (SEQ ID NO. 2)

wherein R represents a hydrogen atom or an amino-protecting group and R' represents OH or  $NH_2$ .

6. (Withdrawn/Currently Amended) The method according to claim 4, wherein the peptide derived from AB (14-23) by substituting all positively charged side chain amino acids thereof with Lys and simultaneously substituting all negatively charged side chain amino acids thereof with Glu is further subjected to substitution of all hydrophobic residues in the peptide

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chain with Leu or to substitution of all hydrophobic residues in the peptide chain, except for Phe

at the position 3 or 4 from the N-terminal side of a hydrophobic site, by Leu, or to substitution of

the position 3 from the N-terminal side of the hydrophobic site with Ala and all of the remaining

hydrophobic residues with Leu

wherein said peptide is

R-Lys-Gln-Lys-Leu-Leu-Phe-Leu-Glu-Glu-R (SEQ ID NO. 3)

wherein R represents a hydrogen atom or an amino-protecting group and R' represents

OH or NH<sub>2</sub>.

7-10. (Cancelled)

11. (Withdrawn/Currently Amended) A method of detecting disease attributable to

amyloidosis, which comprises using comprising the step(s) of:

using a reagent containing a peptide [Aβ (14-23)] consisting of 14 to 23 the 14<sup>th</sup> to 23<sup>rd</sup>

residues of amyloid β-peptide or a peptide derived from the peptide by substituting all positively

charged side chain amino acids thereof with Lys and simultaneously substituting all negatively

charged side-chain amino acids thereof with Glu

a peptide represented by the following general formula [1]:

R-Lys-Gln-Lys-Leu-Leu-X-Y-Leu-Glu-Glu-R' [1] (SEQ ID NO. 1)

wherein R represents a hydrogen atom or an amino-protecting group,

wherein X-Y represents Leu-Leu, Leu-Phe or Phe-Leu, and

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wherein R' represents OH or NH<sub>2</sub>.

12. (Withdrawn/Currently Amended) The detection method according to claim 11,

wherein the peptide derived from Λβ (14-23) by substituting all positively charged side chain

amino acids thereof with Lys and simultaneously substituting all negatively charged side chain

amino acids thereof with Glu-is further subjected to substitution of one or more hydrophobic

residues in the peptide chain with other hydrophobic amino acid residues

wherein said peptide is

R-Lys-Gln-Lys-Leu-Leu-Leu-Leu-Glu-Glu-R' (SEQ ID NO. 2)

wherein R represents a hydrogen atom or an amino-protecting group and R' represents

OH or  $NH_2$ .

13. (Withdrawn/Currently Amended) The detection method according to claim 11,

wherein the peptide derived from AB (14-23) by substituting all-positively charged side-chain

amino acids thereof with Lys and simultaneously substituting all negatively charged side chain

amino acids thereof with Glu is further subjected to substitution of all hydrophobic residues in

the peptide chain with Leu or to substitution of all hydrophobic residues in the peptide chain,

except for Phe at the position 3 or 4 from the N-terminal side of a hydrophobic site, by Leu, or to

substitution of the position 3 from the N-terminal side of the hydrophobic site with Ala and all of

the remaining hydrophobic residues with Leu

wherein said peptide is

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R-Lys-Gln-Lys-Leu-Leu-Phe-Leu-Glu-Glu-R (SEQ ID NO. 3)

wherein R represents a hydrogen atom or an amino-protecting group and R' represents OH or  $NH_2$ .

14. (Withdrawn) The detection method according to claim 11, wherein the disease attributable to amyloidosis is Alzheimer's disease.

15. (Currently Amended) A peptide represented by the following general formula [1]:

R-Lys-Gln-Lys-Leu-Leu-X-Y-Leu-Glu-Glu-R'[1] (SEQ ID NO. 1)

wherein R represents a hydrogen atom or an amino-protecting group,

wherein X-Y represents Leu-Leu, Leu-Phe or Phe-Leu, X represents Leu or Phe, Y represents Leu or Phe, and

wherein R' represents OH or NH<sub>2</sub>.

16. (Currently Amended) The peptide according to claim 15, which is represented by the formula: wherein said peptide is R-Lys-Gln-Lys-Leu-Leu-Leu-Leu-Glu-Glu-R' (SEQ ID NO. 1) (SEQ ID NO. 2) wherein R and R' have the same meanings as defined above

wherein R represents a hydrogen atom or an amino-protecting group and R' represents OH or NH<sub>2</sub>.

17. (Currently Amended) The peptide according to claim 15, which is represented by the

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formula: wherein said peptide is R-Lys-Gln-Lys-Leu-Leu-Phe-Leu-Glu-Glu-R' (SEQ ID NO. 1) (SEQ ID NO. 3) wherein R and R' have the same meanings as defined above wherein R represents a hydrogen atom or an amino-protecting group and R' represents OH or NH<sub>2</sub>.

18. (Currently Amended) The peptide according to claim 15, which is represented by the formula: wherein said peptide is R-Lys-Gln-Lys-Leu-Leu-Phe-Leu-Leu-Glu-Glu-R' (SEQ ID NO. 1) (SEQ ID NO. 4) wherein R and R' have the same meanings as defined above wherein R represents a hydrogen atom or an amino-protecting group and R' represents OH or NH<sub>2</sub>.

19. (Cancelled)

20. (New) The reagent according to claim 1,

wherein said peptide is

R-Lys-Gln-Lys-Leu-Leu-Phe-Leu-Leu-Glu-Glu-R' (SEQ ID NO. 4)

wherein R represents a hydrogen atom or an amino-protecting group and R' represents OH or NH<sub>2</sub>.

21. (New) The method according to claim 4,

wherein said peptide is

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R-Lys-Gln-Lys-Leu-Leu-Phe-Leu-Leu-Glu-Glu-R' (SEQ ID NO. 4)

wherein R represents a hydrogen atom or an amino-protecting group and R' represents OH or NH<sub>2</sub>.

22. (New) The method according to claim 11,

wherein said peptide

R-Lys-Gln-Lys-Leu-Leu-Phe-Leu-Leu-Glu-Glu-R' (SEQ ID NO. 4)

wherein R represents a hydrogen atom or an amino-protecting group and R' represents OH or NH<sub>2</sub>.